Amendments to the Specification:

Please note: to distinguish text passages which were already underlined, additions to the text are marked with double underlines.

Please delete the paragraph previously inserted at page 79, lines 14 through 20:

--At the nucleotide level the human and the murine IL4 gene display approximately 70% homology. The 5' region of the IL4 contains several sequence elements, designated CLE (conserved lymphokine element), that are binding sites for transcription factors controlling the expression of this and other genes. A sequence motif, called P sequence (CGAAAATTTCC; SEQ ID NO:1 SEQ ID NO:2) in the 5' region of the human IL4 gene (positions -79 - - 69) is the binding site for a nuclear factor, called NF(P), mediating the response to T-cell activation signals.--

Please replace the paragraph at page 79, from line 14 through line 19, with the following paragraph:

--At the nucleotide level the human and the murine IL4 gene display approximately 70% homology. The 5' region of the IL4 contains several sequence elements, designated CLE (conserved lymphokine element), that are binding sites for transcription factors controlling the expression of this and other genes. A sequence motif, called P sequence (CGAAAATTTCC; SEQ ID NO:1 SEQ ID NO:2) in the 5' region of the human IL4 gene (positions -79 - - 69) is the binding site for a nuclear factor, called NF(P), mediating the response to T-cell activation signals.--

Please delete the line previously inserted at page 167, line 10:
--GTX-5 (SEQ ID NO:3)--

Please replace the line at page 167, line 1, with the following line:
--GTX-5 (SEQ ID NO:3)--

Please delete the line previously inserted at page 167, line 21:
--GTX-6 (SEQ ID NO:4)--

Please replace the line at page 167, line 12, with the following line:

--GTX-6 (SEQ ID NO:4)--

Please delete the line previously inserted at page 168, line 24:

~~--Upstream (SEQ ID NO:5)--~~

Please replace the line at page 168, line 15, with the following line:

--Upstream (SEQ ID NO:5)--

Please delete the line previously inserted at page 169, line 1:

~~--Downstream (SEQ ID NO:6)--~~

Please replace the line at page 169, line 17, with the following line:

--Downstream (SEQ ID NO:6)--

Please delete the line previously inserted at page 169, line 24:

~~--Upstream Primer (SEQ ID NO:7)--~~

Please replace the line at page 169, line 14, with the following line:

--Upstream Primer (SEQ ID NO:7)--

Please delete the line previously inserted at page 169, line 26:

~~--Downstream (SEQ ID NO:8)--~~

Please replace the line at page 169, line 15 through line 16, with the following lines:

--Downstream Primer (SEQ ID NO:8)

~~Primer~~ 5'TACGGTACCCCTAGGCCACAATGAAATAAGATACCATACC3'--

Please delete the line previously inserted at page 171, line 1:

~~--Upsteam (SEQ ID NO:9)--~~

Please replace the line at page 170, line 18, with the following line:

--Upstream (SEQ ID NO:9) --

Please delete the line previously inserted at page 171, line 3:

~~--Downstream (SEQ ID NO:10)--~~

Please replace the line at page 170, line 19, with the following line:

--Downstream (SEQ ID NO:10) --

Please delete the line previously inserted at page 178, line 24:

~~--Upstream (SEQ ID NO:11)--~~

Please replace the line at page 178, line 10, with the following line:

--Upstream (SEQ ID NO:11) --

Please delete the line previously inserted at page 178, line 24:

~~--Downstream (SEQ ID NO:12)--~~

Please replace the line at page 178, line 12, with the following line:

--Downstream (SEQ ID NO:12) --

Please delete the paragraph previously inserted at page 179, lines 25 to 26:

~~--(SEQ ID NO:13) 5'TACGGCCGGCACCCGCCCGCTCGCCCAGCCCC~~
~~(SEQ ID NO:14) 3'TACGGCCGCCACAATGAAAATAAGATACCAT --~~

Please replace the paragraph at page 179, from line 13 through line 14, with the following paragraph:

--(SEQ ID NO:13) 5'TACGGCCGGCACCCGCCCGCTCGCCCAGCCCC

(SEQ ID NO:14) 3'TACGGCCGCCACAATGAAAATAAGATACCAT --

Please delete the paragraph previously inserted at page 181, from line 6 to 7:

-- (SEQ ID NO:15) 5'

CCGGCACTAGTGGCGGAGGGGGCTCCGGCGGCGGGGGCAGCG

(SEQ ID NO:16) 5' CTAGCGCTGCCCCCGCCGCCGGCGCCCCCTCCGCCACTAGTG

=

Please replace the paragraph at page 180, from line 19 through line 20, with the following paragraph:

-- (SEQ ID NO:15) 5' CCGGCACTAGTGGCGGAGGGGGCTCCGGCGGCGGGGGCAGCG

(SEQ ID NO:16) 5' CTAGCGCTGCCCCCGCCGCCGGCGCCCCCTCCGCCACTAGTG --

Please delete the paragraph previously inserted at page 181, from line 11 through 14:

-- 3.   DNA sequence coding for the peptide GGGGSGGGGS (SEQ ID NO:17) where G stands for glycine and S stands for serine. This 10 amino acid sequence (G4S)2 is designed to insert a kink/spacer in the protein between the GMCSF and the Gas1.1 moieties.--

Please replace the paragraph at page 180, from lines 24 - 25 through page 181, lines 1 - 2, with the following paragraph:

-- 3.   DNA sequence coding for the peptide GGGGSGGGGS (SEQ ID NO:17) where G stands for glycine and S stands for serine. This 10 amino acid sequence $(G_4S)_2$ is designed to insert a kink/spacer in the protein between the GMCSF and the Gas1.1 moieties.--

Please delete the line previously inserted at page 182, line 14:

--Upstream HA1 Primer (SEQ ID NO:18)--

Please replace the line at page 181, line 27, with the following line:

--Upstream HA1 Primer (SEQ ID NO:18) --

Please delete the line previously inserted at page 182, line 16:

--Downstream HA1 Primer (SEQ ID NO:19)--

Please replace the line at page 182, line 2, with the following line:

--Downstream HA1 Primer (SEQ ID NO:19) --

Please delete the line previously inserted at page 183, line 9:

--Upstream Primer (SEQ ID NO:20)--

Please replace the line at page 182, line 22, with the following line:

-- Upstream Primer (SEQ ID NO:20) --

Please delete the line previously inserted at page 183, line 11:

--Upstream Primer (SEQ ID NO:21)--

Please replace the line at page 182, line 24, with the following line:

--Downstream Primer (SEQ ID NO:21) --

Please delete the line previously inserted at page 185, line 26:

--Upstream Primer (SEQ ID NO:22)--

Please replace the line at page 185, line 11, with the following line:

--Upstream Primer (SEQ ID NO:22) --

Please delete the line previously inserted at page 185, line 28:

--Upstream Primer (SEQ ID NO:23)--

Please replace the line at page 185, line 13, with the following line:

--Downstream Primer (SEQ ID NO:23) --

Please delete the line previously inserted at page 186, line 22:

~~--Upstream Primer (SEQ ID NO:24) --~~

Please replace the line at page 186, line 11, with the following line:

--Upstream Primer (SEQ ID NO:24) --

Please delete the line previously inserted at page 186, line 24:

~~--Upstream Primer (SEQ ID NO:25) --~~

Please replace the line at page 186, line 13, with the following line:

--Downstream Primer (SEQ ID NO:25) --

Please delete the line previously inserted at page 187, line 23:

~~--Upstream Primer (SEQ ID NO:26) --~~

Please replace the line at page 187, line 13, with the following line:

--Upstream Primer (SEQ ID NO:26) --

Please delete the line previously inserted at page 188, line 1:

~~--Upstream Primer (SEQ ID NO:27) --~~

Please replace the line at page 187, line 15, with the following line:

--Downstream Primer (SEQ ID NO:27) --

Please delete the line previously inserted at page 193, line 11:

~~--Upstream Primer (SEQ ID NO:28) --~~

Please replace the line at page 192, line 22, with the following line:

-- Upstream hGM-CSF Primer (SEQ ID NO:28) --

Please delete the line previously inserted at page 193, line 13:

~~--Upstream Primer (SEQ ID NO:29) --~~

Please replace the line at page 192, line 24, with the following line:

-- Downstream hGM-CSF Primer (SEQ ID NO:29) --

Please delete the line previously inserted at page 194, line 6:

~~--Upstream Primer (SEQ ID NO:30) --~~

Please replace the line at page 193, line 16, with the following line:

--Upstream Primer (SEQ ID NO:30) --

Please delete the line previously inserted at page 194, line 8:
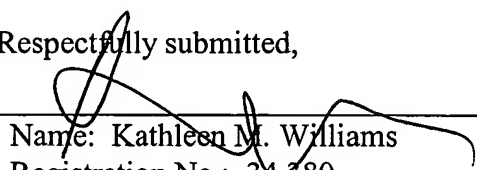
~~--Upstream Primer (SEQ ID NO:31) --~~

Please replace the line at page 193, line 18, with the following line:

--Downstream Primer (SEQ ID NO:31) --

Respectfully submitted,

Date: _May 5, 2004_

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